

BLUEPRINT FOR EFFICIENT PUBLIC BUILDINGS

University of Arkansas at Little Rock
Donaghey Student Center
May 15, 2006

Presented by:
Arkansas Legislative Task Force
On Sustainable Building Designs and Practices
Senator Shane Broadway, Co-chairman
Representative Joyce Elliott, Co-chairman

Sponsored by:
Arkansas Dept. of Economic Development - Energy Office
Arkansas Dept. Of Education
Arkansas Public Building Authority
University of Arkansas at Little Rock

ARKANSAS GENERAL ASSEMBLY

*Senator Shane Broadway,
Senate Chairman*



*Representative Joyce Elliott,
House Chairman*

LEGISLATIVE TASK FORCE
ON
SUSTAINABLE BUILDING DESIGN AND PRACTICES

March 17, 2006

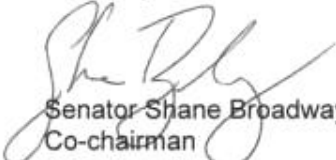
Dear Arkansas School District Superintendents:

On May 15 we will be presenting information and exploring methods to minimize long-range costs of operating our state agency and academic facilities. Our Legislative Task Force on Sustainable Building Design and Practices, in cooperation with the Arkansas Department of Economic Development's Energy Office, will be providing a one-day seminar focused on energy conservation, life-cycle costing, and informative workshops on ways to incorporate this planning into existing buildings as well as planning for new construction. The conference will consist of two tracks targeting school districts and state buildings. One of the afternoon sessions will provide an update from the Division of School Facilities and Transportation.

We invite and encourage you, and your physical plant managers, financial officers and board members to attend these informative sessions. As we continue to grapple with issues of school facility funding, rising energy costs, and limited revenues, the more we need to learn about energy conservation, healthy work environments, and building operations that can minimize maintenance expenditures and maximize the learning and productivity for our students and employees of all ages.

The conference will be held at UALR's Donaghey Student Center, in Rooms A, B, & C. Registration begins at 8:00 a.m., with welcoming and introductions starting at 9:00. We look forward to seeing you on May 15.

Sincerely,


Senator Shane Broadway
Co-chairman


Representative Joyce Elliott
Co-chairman

BLUEPRINT FOR EFFICIENT PUBLIC BUILDINGS - May 15, 2006

8:00 - 9:00 **Registration**

9:00 - 9:30 **Welcome and Introduction**

Remarks by State Senator Shane Broadway, State Representative Joyce Elliott, and Larry Walther, Director - ADED

9:30 - 10:30 **Green Building Rating Systems 101**

General Overview of Rating Systems

- Bill Reed

LEED - New Construction & Existing Buildings

Green Globes - New Construction & Existing Buildings

Q & A

Break/Trade Show - 10:30 to 10:45

K-12 Sessions

State Buildings Sessions

10:45 - 11:05 **Overview of K-12 Utility Benchmark Study and Survey**
- Darin Nutter, Ph.D., P.E., U of A

10:45 - 11:00 **Energy Conservation Best Practices**
- Tia Henegen

11:05 - 11:30 **Bryant School Case Study**
- Dr. Richard Abernathy

11:00 - 11:30 **College of Public Health Case Study**
- Martha Jane Murray & Alan Hope

Lunch/Trade Show - 11:30 to 1:00

K-12 Sessions

State Buildings Sessions

1:00 - :30 **Financing Strategies**

Energy Performance Contracting
- Heartsill Ragon

Leasing
- Ted Sniegocki

Other Financing Strategies
- Bob Joblin

1:00 - 2:00 **Energy Policies for Sate Buildings**
- Tia Henegen

2:00 - 2:30 **Financing Strategies**

Energy Performance Contracting
- Heartsill Ragon

Leasing
- Ted Sniegocki

1:30 - 2:30 **Life Cycle Costing**
- Greg Kats

Other Financing Strategies
- Bob Joblin

General Session

2:45 - 3:30

Indoor Air Quality (IAQ)
- Dan Moberly

K-12 Update

State Buildings Update

3:30 - 4:00 **Senator Shane Broadway & Doug Eaton**

3:30 - 4:00 **Floyd Farmer & Paul Ehenger**

Break/Trade Show - 4:00 to 5:00

5:00 - 7:00 **RECEPTION - Jack Stephens Center**

INTRODUCTION

State Senator Shane Broadway, State Representative Joyce Elliott, and Larry Walther, Director - ADED
Opening remarks regarding the state leadership's commitment to pursue energy efficiency, reduce environmental impact, and spur economic development for the state.

GENERAL SESSION:

Green Building Rating Systems 101

Bill Reed

Introduction to LEED and Green Globes (new and existing construction) Rating Systems. Overview of principles and process for improved energy and environmental performance through nationally recognized rating systems. Emphasis will be placed on integrated design principles as a foundation of any project.

K-12 TRACK: MORNING

Benchmarking and Understanding Your Utility Bills

Darin Nutter, PhD, P.E.

Associate Professor of Mechanical Engineering
University of Arkansas - Fayetteville

The work was conducted through the Arkansas Department of Education with support from the Arkansas Energy Office. Dr. Darin Nutter, P.E., conducted the study and will provide a brief overview of the recent Arkansas K-12 Utility Benchmarking Study for 8 school districts. In addition, Dr. Nutter will present results from his survey of district superintendents on utility-related and building performance issues.

Bryant School District - New LEED Building

Superintendent, Dr. Richard Abernathy

A state school district testimonial.

STATE BUILDING TRACK: MORNING

Energy Conservation - Best Practices

Tia Henegen

A review of low-cost, no-cost measures and best practices that state facility managers and occupants can do to reduce energy consumption. Experiences and success achieved and challenges encountered to implementing energy improvements, procurement policies/practices, and high performance results in daily operations and retrofitting existing buildings.

UAMS - College of Public Health

Martha Jane Murray and Alan Hope

Overview of the College of Public Health building designed and built to the LEED criteria.

LUNCH AND TRADE SHOW

K-12 TRACK: AFTERNOON

Financing Strategies: An overview of K-12 school district options and opportunities to finance energy conservation, efficiency, and high performance measures in existing school retrofits and new school construction. Topics would include but not be limited to; Legislation (ACT 2156), An Act Concerning Energy Savings Contracts for School Districts; and for Other Purposes, Energy Performance Contracting (EPC) and leasing.

Financial Structures for Life Cycle Based Decisions: K-12 - Life Cycle Costing - Planning for fiscally responsible improvements: In the past, comparisons of asset alternatives, whether at the concept or detailed design level, have been based mainly on initial capital costs. However, with growing pressure to achieve better outcomes from assets, ongoing operating and maintenance costs must be considered as they consume most resources over the asset's service life. Life Cycle Costing is a process to determine the sum of all the costs associated with an asset or part thereof, including acquisition, installation, operation, maintenance, refurbishment, and disposal costs. It is therefore pivotal to the asset management process.

STATE BUILDING TRACK: AFTERNOON

Energy Policy for State Buildings

Tia Henegen

An Overview of other state policies and initiatives; what is/has been successful.

Financing Strategies: An overview of state building options and opportunities to finance energy conservation, efficiency, and high performance measures in existing building retrofits and new building construction. Topics would include but not be limited to; Legislation (ACT 1761), An Act authorizing state agencies to enter into guaranteed energy cost savings contracts, Energy Performance Contracting specifics and leasing.

GENERAL SESSION:

Indoor Air Quality

Dan Moberly

K-12 TRACK: AFTERNOON

State K-12 Facilities - Updates

Doug Eaton

Director of Facilities, Little Rock Public Schools

Senator Shane Broadway

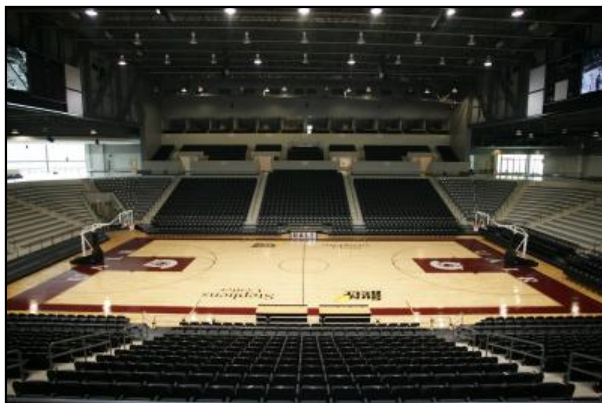
Description of the program will be provided and distributed in future updates.

STATE BUILDING TRACK: AFTERNOON

ABA Update

Floyd Farmer and Paul Ehenger

EVENING RECEPTION - Jack Stephens Center



This conference will be followed on March 16th by the 2006 Sustainable Arkansas Conference sponsored by the Arkansas Chapter of the U.S. Green Building Council, also to be held at the UALR Donaghey Student Center.

Exhibitors on May 15th and 16th will include architectural and engineering firms as well as suppliers of sustainable building materials and services.

For additional information, contact **Randy Martinsen** at (501) 244-2332
or email at randym@usgbcar.org

Further conference information, as made available, can be accessed at www.usgbcar.org.

BLUEPRINT FOR EFFICIENT PUBLIC BUILDINGS
REGISTRATION FORM

There is no charge to State, school district, or higher education personnel to attend the conference activities on May 15th.

Please complete all information below so that we can provide you with updates to conference activities and further information in the future.

Name: _____

Job Title: _____

Agency/School/District/College : _____

Street Address/PO Box: _____

City, State, Zip: _____

Phone: (_____) _____ Fax: (_____) _____

E-mail: _____

PLEASE COMPLETE AND FAX THIS FORM TO: (501) 244-2333 TO REGISTER

Sustainable Arkansas: Big Picture, Local Impact - May 16, 2006

Tuesday, May 16

- 7:00 - 8:15 Registration/Breakfast/Trade Show
- 8:15 - 8:30 Welcome and Introduction
- 8:30 - 10:00 K-12 Green Building Costing Study - Greg Kats
- 10:00 - 10:30 **TRADE SHOW / BREAK**
- 10:30 - 12:00 AIA and the EPA - Ed Mazria
- 12:00 - 1:30 **LUNCH & TRADE SHOW**
- 1:30 - 3:00 Integrated Design - Bill Reed
- 3:00 - 3:15 **TRADE SHOW / BREAK**
- 3:15 - 4:15 **CONCURRENT SESSIONS**
- A. LEED for Contractors - Tia Henegen
 - B. IAQ - Dan Moberly
 - C. Energy Modeling - ASHRAE Representative
- 4:15 - 4:30 **TRADE SHOW / BREAK**
- 4:30 - 5:30 **CONCURRENT SESSIONS**
- A. LEED for Contractors - Tia Henegen
 - B. Growing the Future - Emerging Green Builders in the USGBC - USGBC Representative
 - C. Energy Modeling - ASHRAE Representative



More details at
www.usgbcar.org

If you wish to stay and attend the Sustainable Arkansas Conference and Trade Show on May 16th, the Arkansas Chapter of the U.S. Green Building Council is offering their local member registration fee of \$100 to attendees of the May 15th conference.

Checks should be made out to Arkansas Chapter - USGBC and be mailed along with this form to:
813 West 3rd Street, Little Rock, AR 72201 by May 5, 2006.

The Arkansas Chapter - USGBC State Vendor ID No. is XXXXXXX

